

Table 1.—Preliminary estimates of passage by brood-year (BY) and run for unmarked juvenile Chinook salmon and steelhead trout captured by rotary-screw traps at Red Bluff Diversion Dam (RK391), Sacramento River, CA, for the dates listed below. Results include estimated passage, peak river discharge volume, water temperature, turbidity, and fork length (mm) range in parentheses. A dash (-) indicates that sampling was not conducted on that date.

Date	Discharge volume (cfs) ¹	Water temperature (°C)	Water turbidity (NTU)	Estimated passage				
				BY09 Fall	BY09 Late-fall	BY09 Winter	BY09 Spring	BY10 Steelhead
1/15/10	8,030	9.1	16.4	320,879 (30 – 45)	220 (126)	1,506 (82 – 113)	4,082 (46 – 58)	156 (105 – 125)
1/16/10	5,740	9.2	–	–	–	–	–	–
1/17/10	5,150	9.6	–	–	–	–	–	–
1/18/10	9,830	9.6	246.3	365,353 (32 – 44)	0 (-)	1,425 (124)	0 (-)	0 (-)
1/19/10	30,100	9.2	–	–	–	–	–	–
1/20/10	36,600	8.4	–	–	–	–	–	–
1/21/10	60,400	8.1	–	–	–	–	–	–
1/22/10	24,900	8.4	–	–	–	–	–	–
1/23/10	17,300	8.3	–	–	–	–	–	–
1/24/10	21,500	8.0	–	–	–	–	–	–
1/25/10	27,100	8.1	–	–	–	–	–	–
1/26/10	49,600	7.8	–	–	–	–	–	–
1/27/10	41,400	8.6	–	–	–	–	–	–
1/28/10	15,100	8.7	32.8	55,041 (32 – 49)	0 (-)	597 (86 – 121)	293 (50 – 53)	0 (-)
Biweekly total²				2,787,099	770	14,438	16,338	546
<i>Biweekly Lower 90% Confidence Interval</i>				978,036	65	4,170	1,861	36
<i>Biweekly Upper 90% Confidence Interval</i>				4,596,162	1,475	24,705	30,815	1,056
Brood-year total				6,163,333	225,874	4,452,206	311,268	874
<i>Brood-year Lower 90% Confidence Interval</i>				1,598,774	98,832	2,577,733	73,720	-82
<i>Brood-year Upper 90% Confidence Interval</i>				10,340,395	352,915	6,326,679	536,263	1,829

¹ Peak daily discharge values do not account for diversions at RBDD and only represent peak flows registered at the Bend Bridge Gauging station (<http://cdec2.water.ca.gov/cgi-progs/queryFx?bnd>).

² Biweekly totals may be greater than the sum of the daily estimates presented in this table if sampling was not conducted on each day of the biweekly period. A dash (-) denotes those dates. To estimate daily passage for days that were not sampled, we impute missed sample days with the weekly mean value of days sampled within the week.